

BADGER STATE

SMOKE SIGNALS

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COSPONSOR LIST FOR CC&R BILL, HR 4720  
CONTINUES TO GROW

Four new cosponsors have signed aboard HR 4720, the bill in Congress aimed at providing relief to amateurs faced with private deed covenants, conditions and restrictions--CC&Rs--in erecting antennas. The latest additions make a total of nine new cosponsors in the past month alone. HR 4720 has been referred to the House Telecommunications and Internet Subcommittee.

To date, 27 members of the US House of Representatives have agreed to cosponsor the measure. The list includes two amateurs--Oregon Republican Greg Walden, WB7OCE--one of the two original cosponsors of HR 4720 with Texas Republican Pete Sessions--and Arkansas Democrat Mike Ross, WD5DVR. Walden and Ross are believed to be the only Amateur Radio licensees in the US House of Representatives.

Arkansas Section Manager Bob Ideker, WB5VUH, credits the Fort Smith Amateur Radio Club with influencing one of the most recent cosponsors--Arkansas Republican John Boozman--to sign onto the bill as a cosponsor. A third Arkansas congressman, Democrat Marion Berry, also is new to the list. "Three congressmen from Arkansas down, one to go!" exclaimed Ideker.

Other recent arrivals include representatives **Tammy Baldwin (D-WI)**, Zoe Lofgren (D-CA), Constance Morella (R-MD), Roscoe Bartlett (R-MD), Mike

McIntyre (D-NC), Michael McNulty (D-NY), and Neil Abercrombie (D-HI).

On Capitol Hill for a visit September 19, ARRL President Jim Haynie, W5JBP, said his meetings with members of Congress and their staff in general and with House Internet and Telecommunications Subcommittee members in particular were very favorable. "All my work on The Hill on HR 4720 was extremely encouraging," Haynie said. "I felt real good about it."

New York Democrat Steve Israel introduced HR 4720--the "Amateur Radio Emergency Communications Consistency Act"--on May 14. The measure would require private land-use regulators--such as homeowners' associations--to "reasonably accommodate" Amateur Radio communication consistent with the PRB-1 limited federal preemption. PRB-1 now applies only to states and municipalities.

For more information, visit the HR 4720, The Amateur Radio Emergency Communications Consistency Act of 2002 page on the ARRL Web site, [www.arrl.org/govrelations/hr4720](http://www.arrl.org/govrelations/hr4720). The ARRL requests those writing or e-mailing members of Congress--whether or not they are supporting this legislation--to copy ARRL on their correspondence--via e-mail to [ccr-bill@arrl.org](mailto:ccr-bill@arrl.org) or via US Mail to CC&R Bill, ARRL, 225 Main St, Newington, CT 06111. Correspondents should include the bill number, HR 4720, as well as their name and address on all correspon-

dence.

HAM-CONGRESSMAN  
APPOINTED TO KEY HOUSE  
SUBCOMMITTEE

Oregon Republican Congressman Greg Walden, WB7OCE, has been appointed to fill a vacancy on the House Subcommittee on Telecommunications and the Internet. Walden is one of two amateurs in the US House of Representatives, and his appointment to the key House panel is considered good news for the amateur community. Walden's appointment was announced by House Energy and Commerce Committee Chairman Billy Tauzin, a Republican from Louisiana.

"With his extensive background in broadcasting, Greg has a world of experience and expertise in telecommunications issues," Tauzin said. "His knowledge of the issues will help the Subcommittee address digital television, spectrum manage-

ment, broadband deployment and other telecommunications matters."

For his part, Walden said he was elated to become a subcommittee member. "I intend to work diligently to help invigorate the economic engine in Oregon and across the country," he said. "I am anxious to roll up my sleeves for Chairman Tauzin and Chairman Upton and work hard under their very effective leadership." Walden, who represents Oregon's second congressional district, was elected to Congress in 1998.

Within the amateur community, he's best known as one of the original cosponsors--with Texas Republican Pete Sessions--of HR 4720. That's the bill pending in Congress aimed at providing relief to amateurs faced with private deed covenants, conditions and restrictions--CC&Rs--in erecting antennas.

From *The ARRL Letter*

Check us out on the web at  
[Http://www.bs3s.org](http://www.bs3s.org)

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Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — [kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

### Swapfests And Other Social Events

January 4, 2003, Waukesha, WI  
West Allis Radio Amateur Club (WARAC)  
Midwinter Swapfest. Waukesha County Expo  
Center Forum. 8 a.m. to 2 p.m. Info: Phil Gural,  
W9NAW, 414-425-3649. Web: [www.warac.org](http://www.warac.org).

January 26, 2003, Wheaton IL  
Wheaton Community Radio Amateurs. Con-  
tact: Bruce Plantz, K9OZ, PO Box QSL, Wheaton,  
IL 60189. (630) 604-0157 E-mail  
[info@wheatonhamfest.org](mailto:info@wheatonhamfest.org)

March 9, 2003, Wisconsin  
Wisconsin QSO Party. Sponsored by West  
Allis Radio Amateur Club. Info: [www.warac.org](http://www.warac.org).

March 16, 2003, Jefferson WI  
Tri-County Amateur Radio Club Hamfest  
2003 at Jefferson County Fairgrounds Activity Cen-  
ter, Hwy 18 West, Jefferson, WI, from 8 AM to 1  
PM. Vendors admitted at 7 AM, general admission

and sales begin at 8 AM. VE Testing starting at  
9 AM. Talk-in on 145.49 Repeater. Contact  
TCARC, 213 Frederick St, Ft. Atkinson, WI  
53538., or [jsatt@ticon.net](mailto:jsatt@ticon.net) Event website is  
[www.cmdline.com/tcarc/](http://www.cmdline.com/tcarc/)

April 13, 2003, Stoughton, WI  
Madison Area Repeater Assn. (MARA)  
Swapfest. Mandt Community Center, 400  
Mandt Parkway, Stoughton WI. Doors open at 8  
a.m. Sponsored by MARA/W9HSY, P. O. Box  
8890, Madison WI 53708-8890. Info line: 608-  
245-8890.

Saturday April 19, 2003, Eau Claire Ham-  
fest, Eau Claire County Exposition Center.  
Same location as last six years. Doors Open 8:00  
AM to 2:00 PM. Vendors: ARRL, Tower Elec-  
tronics, Burghardt Amateur Center, QSL USA  
and many more! Door and Raffle Prizes.

Admission \$5.00, Tables \$ 10.00. Tailgat-  
ing - FREE with paid admission. FREE COF-  
FEE - The Coffee is always Free at the Eau  
Claire Hamfest. If you can't find what you want  
at the Eau Claire Hamfest, you probably didn't  
need it. Information: Jim Staatz KG9RA  
KG9RA@charter.net. Phone 715-838-9108.  
Web Page: [www.ecarc.org](http://www.ecarc.org).

May 5, 2003, Cedarburg, WI

25th Annual Amateur Radio and Computer  
Swapfest. Ozaukee Radio Club (ORC). Info:  
[www.qsl.net/orc/swap.html](http://www.qsl.net/orc/swap.html).

July 12, 2003 Oak Creek, WI  
South Milwaukee ARC Swapfest '02. Ameri-  
can Legion Post 434, 9327 South Shepard Ave., Oak  
Creek, WI.

August 9, 2003, Baraboo, WI  
Sixth Annual Circus City Swapfest, Saturday,  
August 10, 2002, 7:00 am till Noon. Sauk Co.  
Fairgrounds, Baraboo, WI. Vendors, tailgate area,  
free parking, camping, VE testing. For info, con-  
tact: Steve, N9UDO, 608-356-2313 or  
[n9udo@arri.net](mailto:n9udo@arri.net). Website [www.qsl.net/ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm).

September 2003, Peoria, IL  
Peoria Superfest 2003. Exposition Gardens  
Fairgrounds, 1601 W Northmoor Rd., off 6300 N.  
University, Peoria, IL. Contact: Peoria Superfest,  
PO Box 3508, Peoria, IL 61612-3508. InfoLine:  
(309) 692-3378. E-mail: [w9uvi@arri.net](mailto:w9uvi@arri.net) Website:  
[www.w9uvi.org](http://www.w9uvi.org).

September 27-28, 2003, Grayslake, IL  
Radio Expo 2003. September 2003, Lake  
County Fairgrounds, Rts 45 & 120, Grayslake, IL.  
Grounds Open from Thursday at noon. Flea Market

open both days at 6 AM. Exhibit Buildings open  
Sat 8 AM to 4 PM, Sun 8 AM to 3 PM. The Chi-  
cago FM Club. Questions ??? Call Radio Expo 630-  
628-1501 (Voice-Mail & FAX). <http://www.chicagofmclub.org>.

### The Test Point



#### Amateur Radio Examination Locations and Schedules in the Area

December 07, 2002	Eau Claire, WI
December 07, 2002	St. Paul, MN
December 07, 2002	Racine, WI
December 07, 2002	Madison, WI
December 12, 2002	Apple Valley, MN
December 14, 2002	Blaine, MN
December 14, 2002	Oshkosh (Omro), WI
December 17, 2002	Eden Prairie, MN
December 28, 2002	Milwaukee, WI (BE)
December 28, 2002	Loves Park, IL
December 28, 2002	Cottage Grove, MN
December 28, 2002	Bloomington, MN
January 04, 2003	Madison, WI
January 04, 2003	St. Paul, MN
January 09, 2003	Apple Valley, MN
January 11, 2003	Oshkosh (Omro), WI
January 11, 2003	Blaine, MN
January 18, 2003	Cottage Grove, MN
January 18, 2003	Milwaukee, WI (BE)
January 18, 2003	Loves Park, IL
January 21, 2003	Eden Prairie, MN
January 25, 2003	Milwaukee, WI
(MRAC)	
January 25, 2003	Bloomington, MN
January 25, 2003	Tomahawk, WI
February 01, 2003	Madison, WI
February 01, 2003	Racine, WI
February 01, 2003	St. Paul, MN
February 01, 2003	Sheboygan, WI
February 08, 2003	Blaine, MN
February 08, 2003	Oshkosh (Omro), WI
February 13, 2003	Apple Valley, MN
February 15, 2003	Loves Park, IL
February 15, 2003	Cottage Grove, MN
February 15, 2003	Milwaukee, WI (BE)
February 18, 2003	Eden Prairie, MN
February 22, 2003	Bloomington, MN
February 22, 2003	Milwaukee, WI
(MRAC)	
February 22, 2003	Tomahawk, WI
March 01, 2003	Racine, WI
March 01, 2003	St. Paul, MN
March 01, 2003	Madison, WI
March 08, 2003	Blaine, MN
March 08, 2003	Oshkosh (Omro), WI

## Badger State Smoke Signals

### *Amateur Radio Education and Information*

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netter, K9EN, 822 Wauona Trail, Portage, WI  
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[kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

**EDITOR:**

**TREASURER:** Kenneth A. Ebnetter, K9EN,  
822 Wauona Trail, Portage WI 53901.

**EDITORIAL BOARD:** Ken Ebnetter, K9EN;  
Don Evenson, K9JYX.

### Subscription Rate

1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club  
package reduced rates are available. For infor-  
mation, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of

the month before the issue date. For example,  
the closing date for the May issue is April 1.  
The only exception is for participating clubs' minutes. Participating clubs are requested to  
send their material no later than FIVE DAYS  
after the club's meeting. For example, if a club  
meets on the 4th of the month, the material  
should be sent no later than the 9th of that  
month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections, and  
exchange papers should be sent to Ken Ebnetter.  
Editorial material, photographs, and fea-  
ture articles should be sent to Ken Ebnetter,  
K9EN.

Web page material should be sent to  
[n9qa@arri.net](mailto:n9qa@arri.net) (Dave Knaus, N9QA).

Inquiries about advertising should be  
directed to Ken Ebnetter.

Club, swapfest, and Test Point informa-  
tion should be sent to Ken Ebnetter.

**Swapfest ADS should be sent to Ken  
Ebnetter, K9EN no later than eight weeks  
before the events date.**

Subscriptions should be sent, with check  
or money order, to Ken Ebnetter.

### Conditions for Reprinting or BBS Post- ing Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles  
or posting articles on radio or telephone bulletin  
boards from *Badger State Smoke Signals*, pro-  
viding credit is given to the original author,  
publication in which the article first appeared,  
and to *Badger State Smoke Signals*.

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*Badger State Smoke Signals* is incorporated as a  
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tion.

### Editorial Disclaimer

The opinions expressed in editorials, guest edi-  
torials, columns, articles, and letters from read-  
ers are the opinions of the authors only, and do  
not, unless otherwise stated, express or imply  
endorsement by *Badger State Smoke Signals*, or  
by any other individual or organization.

March 13, 2003	Apple Valley, MN
March 15, 2003	Milwaukee, WI (BE)
March 15, 2003	Loves Park, IL
March 15, 2003	Cottage Grove, MN
March 18, 2003	Sheboygan, WI
March 18, 2003	Eden Prairie, MN
March 22, 2003	Bloomington, MN
March 29, 2003	Menomonie, WI
March 29, 2003	Tomahawk, WI
May 10, 2003	Sheboygan, WI
July 15, 2003	Sheboygan, WI
September 13, 2003	Sheboygan, WI
November 01, 2003	Menomonie, WI
November 18, 2003	Sheboygan, WI
Monthly, 1st Sat.	Madison, WI
Monthly, 1st Sat.	Racine, WI
(except Jan., Jul., & Aug.)	
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI
(MRAC)	
(except Mar., Jun., Aug., & Dec.)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

GENERAL RULES FOR MOST EXAMINATIONS Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>  
or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2003 test fee at \$12.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam

sessions is available from:  
<http://www.arrl.org/arrlvec/examsearch.phtml>  
By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

We cannot carry the entire listing of sites and directions every issue. Please check the November 2002 BSSS for the location and contact information for any site that you are interested in.

The following additions and/or changes have been reported to BSSS since that printing.

VE testing dates in Sheboygan County, Wisconsin, for 2003 will be according to the following schedule:

SATURDAYS 8:30 AM
01 February
10 May
13 September
TUESDAYS 6:30 PM
18 March
15 July
18 November

Exams are held in the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. The test areas are handicap accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated.

Contact: Art Pahr K9XJ	920-876-2370
N8029 Willow Road	k9xj@arrl.net
Plymouth, WI 53073-2929	

Menomonie WI, (walk-ins allowed). Saturday, March 29, 2003 and Saturday, November 1, 2003. ARRL/VEC. Location: NEWUW-Stout Communications, Millennium Hall, Broadway & 10th Ave., Menomonie WI. Contact: James P. Ley, 715-235-3998.



Appleton, FOX CITIES AMATEUR RADIO CLUB Meetings: Third Mondays, 7 p.m., Columbus Club, 2531 N. Richmond Street, Appleton, WI Information: Pat, K9IK, 920.725.1149. [PLa-tour428@aol.com](mailto:PLa-tour428@aol.com) Web: <http://www.w9zl.ampr.org/>.

Baraboo, BADGERLAND AMATEUR TELEVISION SOCIETY (BATS) Check BATS Web page: <http://www.shopstop.net/BATS/>

Baraboo, YELLOW THUNDER AMATEUR RADIO CLUB Meetings: See the YTARC column elsewhere in this issue for meeting times and locations. For further information: <http://www.qsl.net/ytarc>.

Dubuque, IA, GREAT RIVER AMATEUR RADIO CLUB Meetings: First Monday of each month, 7 p.m. at the Red Cross Center, 2400 Asbury Road. The club serves the tri-state area. On the Web: <http://www.qsl.net/wb0lob/>. Information or questions to: [N0hdc@aol.com](mailto:N0hdc@aol.com).

Eau Claire, EAU CLAIRE AMATEUR RADIO CLUB Meetings: 2nd Tuesday - 7 p.m., Eau Claire Parks & Recreation, 1300 First Ave., Eau Claire, WI 54703. All hams and guests welcome. W9EAU repeater 146.91 MHz, tone 110.9 Hz. Information: Jim Staatz, KG9RA, President, P.O. Box 1867, Eau Claire, WI 54702-1867. Phone (715) 838-9108, Email

[kg9ra@ecarc.org](mailto:kg9ra@ecarc.org). Web page: <http://www.ecarc.org>

Fond du Lac, FOND DU LAC AMATEUR RADIO CLUB Meetings: Second Monday at Moraine Park Technical College, Fond du Lac, WI. Time: 7 p.m. Sunday net: 7:30 p.m. CDT, K9IA repeater, 145.430 - PL 107.2 Information: Jack Heil, KG9IN, 920.922.1413. Email: [kg9in@fdlhams.org](mailto:kg9in@fdlhams.org) Web: <http://www.fdlhams.org>.

Fort Atkinson, TRI-COUNTY AMATEUR RADIO CLUB Thursday monthly except June to August, 7 p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton, Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin [www.qsl.net/orc/](http://www.qsl.net/orc/).

Green Bay, GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at [kb9sne@yahoo.com](mailto:kb9sne@yahoo.com).

Green Lake, GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Hudson, St. CROIX VALLEY RADIO AMATEURS Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau, ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

Madison, SPACE PLACE AMATEUR RADIO CENTER No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: [n9uw@sal.wisc.edu](mailto:n9uw@sal.wisc.edu).

Madison BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: [w9ixg@arrl.org](mailto:w9ixg@arrl.org). Web: <http://www.qsl.net/w9yt>.

Madison, FOUR LAKES AMATEUR RADIO CLUB Meetings: First and third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc, MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105 Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: [fredw6bsf@lakefield.net](mailto:fredw6bsf@lakefield.net).

Medford, TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) Meetings: Usually

first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls, FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie MI, Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

Milwaukee, GREATER MILWAUKEE DX ASSOCIATION Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: [garyk9gs@arrl.net](mailto:garyk9gs@arrl.net).

Milwaukee, MILWAUKEE RADIO AMATEURS CLUB Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac> . Email: [w9rh@arrl.net](mailto:w9rh@arrl.net).

Monomonie, RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomonie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area, NORTHEAST WISCONSIN DX ASSOCIATION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdxa/>. Contact us at [w9dxa@arrl.net](mailto:w9dxa@arrl.net).

Oak Creek, SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion Post 434, Shepard Ave., Oak Creek, WI. Auctions in March and October. Swapfest July 6, 2002.

Onalaska, RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/> . Email: [wr9arc@qsl.net](mailto:wr9arc@qsl.net).

Oshkosh, RADIO AMATEURS OF WISCONSIN (R.A.W.) Meetings: Third Saturday monthly, locations vary. R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

QCWA Chapter 162, QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) South-eastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.  
*(Continued on page 11)*



# Wisconsin Nets Association Ltd.

Dean R. `Herriges, KB9ROB, Secretary  
W370 S9590 Highway 67 • Eagle, WI 53119

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	YES	3985	1200	0600	W9RCW
BEN	YES	3985	1800	1200	KE9VU
WSBN	YES	3985	2330	1730	K9FHI
WNN	YES	3723	0000	1800	KB9ROB
WSSN	YES	3645	0030	1830	N9BDL
WIN/W	YES	3662	0100	1900	WB9ICH
WIN/L	YES	3662	0400	2200	W9UW
RCRA	NO	01/61		0130 1930	KA9OMC
(Mondays CST— Menomonie Area)					
Green Bay Area	NO	72/12		0345 2145	WB9NRK
ARES	NO	4.65/5.25	0300	2100	
(South East/South Central Wisconsin)					

### STM REPORT WISCONSIN SECTION OCTOBER, 2002

#### It's the Spirit

Whether you learn to send a message in NTS format, SHARES format, MARS format, or using other protocol such as for severe weather spotting -- you are practicing a discipline which is transferable. When you follow the directions of the net control station -- or serve as a net control yourself - you are responding in a way that can be utilized in lots of situations.

Hams, by their nature, seem versatile. We have varied interests within the hobby of Ham radio and plenty of interests beyond. We experiment; we explore; we try to find new and more efficient ways of doing things. That characteristic is certainly one which makes us more valuable as an organization to support agencies in times of need. We learn quickly and we know how to adapt.

When conditions require it, we change modes or change procedures. If SSB doesn't work, we aren't above trying old, reliable CW to get a message through. When packet or some other mode would be more effective, we use it. If the static crashes are terrible, we willingly use a relay or double talk the text of a message - just to be sure.

And we practice. Even if there's nothing special about a routine message, we count the check when sending and check the check upon reception. We remember to pace our speaking of a message and listen often in case the receiving operator needs fills.

The times during which we are not called upon to serve in emergencies are the times we use to sharpen our skills. We do all this because it is a good part of what Ham radio is about. We serve by learning and practice just as we do in the application. Keeping that spirit alive is as important to the hobby as maintaining our frequencies. Please pass along your understanding of how we serve to new hams in classes, meetings, and first QSOs. Show them how we care about them and about those we serve so they, too, will carry on the spirit.

Next month: FAQ on traffic handling.  
Any suggestions?  
73 - K9LGU/STM

### STM Report - Wisconsin November 2002

#### How Can I Help the NTS?

The question for today is: What can I do to help the National Traffic System? The answer is: Send some traffic.

If you haven't seen the Tools for Traffic Handling web page, check out:

(Continued on page 7)

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY OCTOBER 2002

NET	QNI	QTC	QTR	SSNS	NM
BWN	1440	1695	7531	31	W9RCW
BEN	504	65	891	31	KE9VU
WSBN	668	70	845	31	K9FHI
WNN	182	17	331	27	KB9ROB
WSSN	259	24	363	30	
WIN/E	231	76	338	31	WB9ICH
WIN/L	228	52	401	31	W9UW
WRACES	119	5	488	5	N6NKO
totals	3631	2004	11188	217	

### WISCONSIN SECTION P S H R SUMMARY October 2002

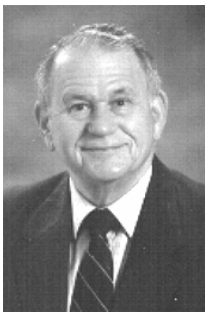
CALL	1	2	3	4	5	6	T
W9RCW	40	40	30	0	380	0	490
N9TVT	40	40	10	0	350	0	440
N9VE	40	40	30	250	20	0	380
K9JPS	39	40	10	100	0	0	189
AG9G	40	40	30	40	0	0	150
K9FHI	40	40	30	0	0	10	120
KB9KEG	40	40	20	0	0	10	110
K9LGU	40	40	20	5	0	0	105
W9CBE	40	40	20	0	0	0	100
W9YCV	40	40	20	0	0	0	100
N6NKO	15	14	30	15	0	20	94
WD9FLJ	40	2	10	0	0	10	68

### WISCONSIN SECTION STATION ACTIVITY SUMMARY October 2002

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	505	33	494	1031 - BPL
W9RCW	0	431	54	388	873 - BPL
N9VE	0	239	39	223	501 - BPL
K9GU	0	201	27	199	427 - BPL*
W9CBE	0	136	130	4	370
K9LGU	4	97	50	1	152
N9TVT	0	31	63	0	94
AG9G	0	10	56	0	66
W9YCV	1	20	34	6	61
KE9VU	0	25	32	0	57
KG9B	0	13	43	0	56
WA9ZTY	0	0	46	0	46
K9FHI	0	17	28	0	45
W9UW	0	32	8	1	41
W9BHL	0	1	35	1	37
W9IHW	0	0	33	0	33
N9NNN	1	0	31	0	32
KB9ROB	0	28	3	1	32
N6NKO	4	11	4	10	29
AA9BB	0	0	27	0	27
WB9ICH	0	19	2	0	21
W9PVD	0	6	5	0	11
WD9FLJ	0	4	1	3	8

# The Computer

By Stan Kaplan, WB9RQR • 105 Martin Drive  
Port Washington, WI 53074-9654  
(262) 284-9346  
Skaplan@mcw.edu



## No. 106. Free Programs That Make Your Life Easier

- by Stan Kaplan, WB9RQR  
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There are some great freeware programs out there, written by folks who just do it for the love of it. For sure, some free programs are not so good – poorly written or they do stuff that really doesn't need to be done, or things that can easily be done with the operating system. But now and again someone writes one that really fills a need, and they write it well. Let me tell you about two I discovered recently. One I discovered just by surfing the freeware sites, the other was a tip from my oldest son Wayne, a Professor of Materials Engineering.

The tip Wayne gave me concerns probably the best graphics viewer available, called InfanView. You can download it (free) from **infan-view.tuwien.ac.at**, The downloadable file is only 808kb in size, so it won't take long to get it. Download the .exe file to your desktop or other folder, and remember where it is. Then make a copy on a floppy for safekeeping. Double-click the .exe file to install it. It will want to know where you would like to install it, and you can certainly accept the suggestion it makes. Since I put all my application files on my D: drive, I selected D:\InfanView. Next it wants to know whether you want its icon on the Start menu, on the desktop, or both or neither. I wanted it on the desktop only. The next thing it will want to know is what kinds of files you would like associated with InfanView. This function, known as "file associations", simply means if you double-click a .gif file, do you want InfanView to be the program that opens it? I selected all from the menu it provided, knowing that I could change that later in the InfanView

program if I needed to. That's it! You now have a bright new icon on your desktop, on your Start menu (or both or neither). Now delete the original .exe file, since you have a backup on a floppy disk. You can start the InfanView program with a click or two on the icon, then ask it to open nearly any type of picture file available, and it will do so with good clarity. You can select a full screen view, if you wish. You can even do some editing of the image – sharpen, rotate, swap colors, convert to grayscale, and so on. If you have associated .gif files with InfanView during installation or later, you don't even need to start the program. Just click the .gif file, and InfanView will start automatically. Very nice, indeed. The latest version at this writing (Aug 02) is 3.75. I recommend it.

The other free file is PrintDeskTop, 772 kb, available from **www.printdesktop.com**, version 1.05. This is a real time and paper saver. Have you ever been surfing and found a document with information you needed, and wanted to just print the single page shown on the screen rather than the whole document? Or, have you ever wanted to just print your desktop as a record of the icons you have now? Have you ever wanted to print a pop-up error message that appeared on the screen? This will let you do all of those. Again, download the file to your desktop, make a copy on a floppy, then install it and erase the desktop file when the installation is complete. Now, you can print whatever is on the screen on a single sheet of paper. Just click the START button in the lower left corner, select PrintDeskTop, and the program will send whatever is there to the printer. You can be surfing the web, or even in a program. For example, if you are in Microsoft Word, the entire screen will be printed exactly as it shows in the program. Well worth the effort of downloading and installing it; highly recommended. By the way, you can also install shortcut keys with this program, such as Ctrl-Alt-P, or even the Print

Screen key, which will also send the screen to the printer. Then you don't need to click START, then PrintDeskTop. Your preference. It is interesting to note that we used to be able to print the screen from DOS by just tapping the Print Screen button on the keyboard. For some reason, Microsoft took this highly useful function out of Windows, much to the chagrin of

many of us. PrintDeskTop puts it back in. Hurrrah!

Have you discovered other free programs that you really love? Tell me about them. I will try them out and, if they turn out to be of wide interest, I will publish them here. Happy computing!

## Computer Corner: First 100 on CD-ROM

Several years ago, Stan Kaplan (WB9RQR), author of the Computer Corner column in BSSS, released a compilation of the first 48 articles. A very strong response indicated that readers want a complete set of the articles. We now announce the release of the First 100, on CD-ROM.

All 100 articles are in Adobe Acrobat (.pdf) format, and there is an Index of Titles as well. Furthermore, the powerful search and link capabilities of the Acrobat Reader have been harnessed to make use of the CD-ROM a snap.

In the Index of Titles file on the CD-ROM, a click on any title will take you to the complete article, and you can switch back and forth between the articles and Index at will. Moreover, you can perform searches for individual words, and the search results will show all articles that

contain those words. A click will take you to any article in the list of those found, and the search words in that article will appear as highlighted text. Clearly, these capabilities make the CD-ROM a valuable reference tool for quickly finding topics of interest.

If you don't have a copy of the Acrobat Reader, or if your copy is old, the latest version (5.0.5) is included on the CD-ROM, along with installation instructions.

The CD-ROM, including all the files and the Adobe Acrobat Reader, will be mailed to you for \$15.00 postpaid. Send your order with payment to the address below. Sorry, no credit card orders. Proceeds will benefit Wisconsin ARES/RACES.

Stan Kaplan, WB9RQR  
105 Martin Drive  
Port Washington, WI 53074-9654

## ARRL VEC EXIMANATION FEE To rise November 14, 2002

Starting January 1, the fee charged all applicants at ARRL VEC-coordinated Amateur Radio test sessions will increase from \$10 to \$12 for the year 2003. This fee is charged to anyone applying for a new amateur license or upgrading their operating privileges. Applicants failing an exam element at ARRL sessions where examiners permit retesting on the same exam element also must submit a retest fee of \$12. Additionally, the maximum reimbursement ARRL VEC allows ARRL volunteer examiner (VE) teams to retain to directly offset their prudently incurred out-of-pocket expenses will increase from \$4 to \$6 in 2003 (this fee has remained at \$4

per person served since 1991). "While the number of examinees has remained relatively unchanged in the past 24 months, our cost of doing business--and the expenses incurred by ARRL VEs--continues to rise," said ARRL VEC Manager Bart Jahnke, W9JJ. "An adjustment was needed in the 2003 test fee if we intended to maintain the same level of service that our VEs and VE teams have come to expect." Jahnke said that adjusting the reimbursement level for ARRL VEs who retain a portion of the fees to offset their out-of-pocket, exam-related expenses was also past due. For more information, contact ARRL VEC.

Check us out on the web at  
**Http://www.bsbs.org**

Mancorad Radio Club

Theresa Hartlaub, KB9KXE  
Secretary

P.O. Box 294 • Manitowoc, WI  
54221-0204



2-Meter Repeater: 146.01 Input/146.61

President Fred (W6BSF) brought the Nov. Mancorad Radio Club meeting to order at 7:33 on Nov. 13th. The secretary’s minutes were summarized and accepted by motions by Red (N9GHE) and Ken (K9HAG). The treasurer’s report was given by Dick (N9QFY) and also accepted by motions by Travis (KB9YRC) and Shawn (KC9AAH).

The board is working on the guidelines for becoming a life time member including the cost of life time dues. Suggestions were asked for from the members. Discussion followed.

Board members have volunteered to run next years club events. The club picnic and Christmas party will be chaired by Bob (KB9INK) and Dick (N9QFY), Club recruitment and publicity will be handled by Carl (KA9WYK), Brat fries chaired by Red (N9GHE), Dan (N9FVZ) and Theresa (KB9KXE), The Cobia Event run by Fred (W6BSF). Fred is also interested in getting a field day planned and run. Anyone interested in helping him, please contact him.

Travis (KB9YRC) has spent the last 13 months rewriting and updating a new ARES/RACES emergency plan for the club. He gave a very detailed report on it, including handing out to all members, new folders with all related materials. Included were member lists, maps showing all locations of shelters in the city and county, and information on the nuclear plants near by. All members were told that in the case of an emergency there would be a net. Thank you to Travis on all his hard work on this project.

John (NZ9Z) asked for members to once again ring bells for Salvation Army. There are sites which offer inside ringing and some that require a ringer to be outside. A three hour shift is usually the norm. This can be split up with another person. Contact him if you can help and he will find you a spot.

All members are once again reminded that the annual dues are to be paid by 12/31/02. Also anyone wishing to attend the annual Christmas party at Cedar Ridge on 1/3/03 will also need to have this paid. Before the 3rd the cost is 9.00 and the night of the party it will be 10.00. This

includes a delicious family style dinner, a power point presentation by Carl (KA9WYK) on the past years get togethers and projects. A 6.00 gift exchange will be held for all those who wish to participate. Mark the gift man or lady.

We were shown a detailed tape of what ARES/RACES programs are and how they work in the community during emergencies and disasters.

Bill (K9DUX) won a hat in the attendance drawing but, Ron (WS9X) did not win the 5.00. The pot goes to 6.00.

Our next meeting will be held on Dec. 11th at 7:30 at the club shack. Board meeting at 6:30. Meeting adjourned at 8:27. Lunch was served.

Respectively submitted,  
Theresa (KB9KXE), Secretary

Meeting Attendance

N9FVZ	Dan
KB9KXE	Theresa
WB9MNQ	Les
N9QFY	Dick
W6BSF	Fred
KA9WYK	Carl
N9GHE	Red
KB9YRC	Travis
KC9AAH	Shawn
KB9VLS	Chris
NZ9Z	John
WB9VYO	Vic
N4WGK	Denise
W9NPX	Roger
KA9EAZ	Dan
WB9VTM	Lyle
N9VIA	Oran
N9NCU	Dan--guest
KC9CKN	Todd
WD9ERM	Conrad
KB9EME	Vern
KB9KEM	Dick
WB9DQD	Gene
KB9GOY	Mary
K9HAG	Ken

Wisconsin Valley Radio Association

Jerry Graebel - W9GLG

P.O. Box 363 • Wausau, WI

November 2002 meeting.

Meeting Minutes of November 5, 2002, at Marshfield Clinic - Wausau Center.

President Mark Rasmussen called meeting to order at 7:05 P.M.

Present: KB9VBR, N9MEA, KB9STB, KC9ASL, KB9DED, KC9BFW, KC9AEJ, W9GLG, N9NMH, K9QH, KB9ZYO, KB9QJQ, KB9YDP, KB9TTP, K9UKT, N9TTA, K9QM, KC9BSK, N9SDL, K9DB, N3FDE, KC9CIY, WB2TLQ, WB9YZR, K9DIK, KB9ZOF, WA9NBC, KB9EVB, KA9PML, KT9W, N9MO.

Program: The program for the November meeting is the Club Auction to follow the business meeting.

Treasurer's Report: Motion to wave till next meeting: KB9stb S e c o n d : KC9BFW

Secretary's Report: Minutes of the October 1, 2002 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. home.dwave.net/~wvra

Old Business:

1. The Club will be in the Christmas Parade, but we still need a good idea for a float. If you have an idea please:
2. Contact any Board member.
3. APRS - Michael, KB9VBR informed the members that there are four new digis up and running. They are N9QIP-10 in Baraboo, N9IDH-10 in Waterloo, N9QIP-4 in Tomah and N9QIP-6 in Hollandale. Digis in La Crosse/Galesville and Eau Claire/Albertsville are also in the works and there is now an APRS station at the State Hamshack in Madison with the call WC9AAG as part of Wisconsin Emergency Management. There will be a general APRS meeting held on December 7, 2002. Time and place to be announced.
4. ARES- There will be no meeting in November due to Thanksgiving. There is a possible change in meeting dates. Meetings may be held before the monthly Club Meeting. Announcement will follow.
5. Nets- Jon, KC9AEJ announced that Rich, N9MO will be a new Net Control Operator. There is a new HF Net

trying to get started on Tuesday night at 9:00 P.M. on 3.955 on 75 meters. The net is now a round table discussion, but the format may change.

6. Special Olympics - Mike, KB9DED has received some information from the committee. More information will follow.
7. Halloween Patrol - Myron, KB9STB presented Certificates of Appreciation to all who participated.
8. Mark, N9MEA announced that North Central Healthcare is looking for donations. He has a list of items for anyone interested.
9. Programs - There were open nominations for Ham of The Year.
10. Paul, K9DB announced that the RMRA would hold it's meeting on November 16, 2002, 1:00 P.M. at Hereford & Hops.

New Business:

1. Lew, K9JPS informed the members that Reno Goetsch, W9NA is ill. He has a lot of the WVRA equipment at his house and wants to make sure that it will stay in the Club's possession. Matt, N9NMH will get in contact with him soon.
2. There was a reminder given that the Eau Claire Amateur Radio Club will hold it's Action on February 23, 2003 at 634 Water St. Talk in will be on 146.520 simplex.

Motion to adjourn at 8:22 P.M.: N9NMH Second: KB9VBR

The next meeting will be Tuesday December 3, 2002, at 7:00 P.M. at the Marshfield Clinic - Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the main parking lot at the main entrance on the East side of the building. Call in on 2-meter club repeater if you need directions: frequency is 146.640 (pl 114.8).

Respectfully submitted,

Jerry Graebel - W9GLG

(w9glg@arrl.net) WVRA Secretary

(Continued from page 4)

**STM REPORT**  
**WISCONSIN SECTION**  
<http://home.earthlink.net/~k7bfl/tfctools.html>  
In keeping with the suggestion from W9CBE, here's the first of what, on some websites, would be called the FAQ -- Frequently Asked Questions. And the Help keep the NTS alive and well by feeding it, testing it, and giving it plenty of exercise. Sending one message as part of your EM-Comm1 course is great practice - but only one meal in a lifetime would starve anyone.  
If you're worried about the format, just use FSD-218, the famous pink card. Feel free to ask for assistance on any traffic net, from any known traffic handler, or contact your Section Traffic manager on

the air or via Email at K9LGU@arrl.net.  
What should you send? Almost anything of a non-commercial nature will do. Send birthday greetings, congratulations, thanks for a QSO, gift, of visit. Send season's greetings to your cousins and your aunts. Send a message of appreciation to a good net control operator. Send a meeting notice to club members. Send a comment to the author about an article in QST. Better yet, send a message from a third party - a note from your aunt to her friend in another state. Use your imagination.  
Promise yourself you will send at least five messages per month. You can help. The NTS is too good to let it die for lack of sustenance.

73 -- K9LGU/STM WI

**SILENT KEYS**

Fredrick F. Brechlin W9KTE, age 89, of Marinette, formerly of Eau Claire, died November 20, 2002 Fred was a long time

member of the Eau Claire Amateur Radio Club.  
Richard H. Hoppe, N9SQW, age 73 of Almond WI September 27, 2002

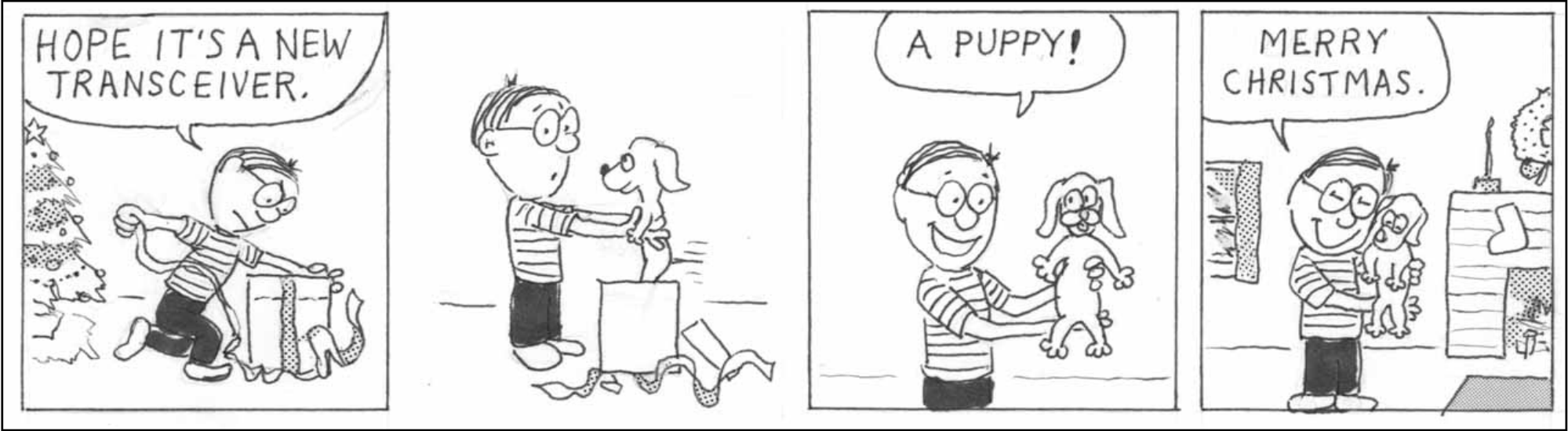
**BSSS NOTES:**

This issue completes another year for BSSS The next issue will be the first of February 2003. If you have any material for that issue, please get it to me at the addresses on page 2. We will have 6 issues next year on the even numbered months.  
If you club information is in this issue, please examine the information, as some of it appears to be quite dated. Also check the VE exam information in the last

issue. Get any changes, deletions or additions to me. Also send to N9QA for the web edition.  
I want to thank every for the support and encouragement that has been given to BSSS. It has been appreciated.  
I hope that all have a happy holiday season.  
73, Ken K9EN  
Energizer Bunny arrested;  
Charged with battery

ELMER

by Rich Regent, K9GDF



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## THE WISCONSIN PACKETEER

concepts here as well, before we delve into actual configuration examples.

It was mentioned that the X-1J, in addition to being a Net/Rom node, is a TCP/IP router. A router is really nothing more than an intelligent relay station in a network. Much like a digipeater or node, it's job is to send TCP/IP packets to the proper place. It knows which is the proper place because we tell it that. This is one of the things that a Node operator does.

Let's look at this example of a network and surrounding networks. We have one local network and 3 surrounding local networks that we need to gain access to. You'll remember from our last part that different geographical regions use different ranges of IP addresses, and this example will reflect this.

Network 1 has IP addresses assigned in the range of 44.92.20.1 to 44.92.20.254. These addresses can be accessed directly, without the use of a node (IP router).

Network 2 has IP addresses in the range of 44.92.18.1 to 44.92.18.254. One must go through network nodes to access this network.

Network 3 has IP addresses that range from 44.92.36.1 to 44.92.36.254. Like Network 2, these must also be accessed through another node. In fact, two nodes are needed to get to this network.

Here's now routing works. Each computer or node, depending on the situation, has the ability to look at each IP address it's trying to route to and determine what it needs to do in order to route an IP packet to it's end destination.

It does this by examining each part of the IP address. First, it looks at the 44 part. If it's not a 44 address (the address block reserved for Amateur Radio), it won't act on it and tell the originator "You can't get there from here". If it is a 44 network address, then it continues by looking at the second set of numbers, the 92 part.

Again, if it's not 92 or another number it recognizes, the routing computer (node or otherwise) will not act on it, and send back a "destination unreachable" message.

Now, assuming it's passed the above two tests, the routing computer continues by looking at the third set of numbers. Here is where most of the "meat" of routing

is found in our state network.

The routing computer knows (because we told it) that 44.92.18.xxx addresses go to one particular node. It also knows that 44.92.36.xxx addresses go to a different node.

What about the 44.92.20.xxx addresses? Those are not acted upon, as they are not associated with that node, or routing computer. A properly set up TCP/IP end user's station will not even send these packets to the node, as a matter of fact.

Which is where Arp comes into play. In order for a particular node or routing computer to act on any address, it has to be associated with that particular address.

To sum up:

- 1) Arp associates a call-sign with an IP address.
- 2) Routing is the process a router (TCP/IP digipeater-node) uses to send packets to their destination.
- 3) In order for a routing computer (TCP/IP Node or Digipeater) to route a TCP/IP packet, it must first have it's call-sign associ-

ated with the destination IP address.

- 4) Routing is accomplished by looking at the destination IP address, analyzing it and finally sending it along it's correct path.

### DXCC legend Bob White, W1CW, SK

Former ARRL Headquarters staff member Robert L. White, W1CW, of Seffner, Florida, died November 22 from complications arising from pneumonia. He was 83.

Known to many as "Mr DXCC," White was the manager of the ARRL's DX Century Club program from 1952 until 1976, establishing the award--and its stringent standards--as Amateur Radio's premier DX achievement. White codified the rules for the DXCC program and oversaw the checking of some 250,000 QSL cards submitted yearly, often working as many as 90 hours a week to ensure that the job got done right. During his tenure at Headquarters, White also oversaw the ARRL QSL Service. He belonged to the ARRL for 62 years and was a Life Member.

"Dad was the guy who made DXCC what it was," said White's son, Jim, K4OJ, in a posting to the CQ Contest reflector.

And that is all for this part. We'll continue our exploration of what a sysop needs to know for TCP/IP configuration of TheNet X-1J next time. Until then, 73 from Andy.

"He didn't cut any corners--everyone was held to the same high standard--and this is what made holding DXCC meaningful."

Introduced to Amateur Radio in his youth, White was first licensed in 1938. He served as a radio operator in the US Navy during World War II.

White was an avid DXer and CW enthusiast. Active in the First-Class CW Operators' Club, White was also inducted into the CQ DX Hall of Fame in 1998.

His wife Ellen, W1YL, and his son Jim, K4OJ, survive him; both are former ARRL staff members. Friends may send condolence messages via e-mail to w1cw@tampabay.rr.com or to 6607 Flicker Ct, Seffner, FL 33584. The family invites memorial donations to the W1CW Memorial Fund-Florida Contest Group, c/o Frederick M Perkins Jr, 3437 Lake Josephine Dr, Lake Placid FL 33852. Per White's request, there will be no public service.  
from ARLB070

## WISCONSIN AMATEUR PACKET RADIO MEMBERSHIP APPLICATION

PLEASE PRINT:

NAME: \_\_\_\_\_ CALL: \_\_\_\_\_ HOME PHONE: ( \_\_\_\_\_ ) \_\_\_\_\_

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**Wisconsin Amateur Packet Radio Association**  
**Allen Schnepf, N0GMJ, Treasurer**  
**Ogema, WI 54459**



WISCONSIN SECTION  
MONTHLY NET ACTIVITY SUMMARY  
NOVEMBER 2002

NET	QNI	QTC	QTR	SSNS	NM
BWN	1447	1639	2251	30	W9RCW
BEN	447	67	856	29	KE9VU
WSBN	706	79	1008	30	K9FHI
WNN	231	19	332	27	KB9ROB
WSSN	291	24	384	30	N9BDL
WIN/E	232	108	334	29	WB9ICH
WIN/L	240	56	384	30	W9UW
WRACES	107	0	141	4	N6NKO
totals	3701	1992	5690	209	

P S H R SUMMARY  
November 2002

CALL	1	2	3	4	5	6	T
N9TVT	40	40	10	350	0	0	440
N9VE	33	40	30	245	0	0	348
K9JPS	38	40	10	80	0	0	168
KG9B	30	38	20	40	0	10	138
W9RCW	33	40	30	30	0	0	132
AG9G	40	40	30	20	0	0	130
K9FHI	40	40	30	5	0	10	125
K9LGU	40	40	30	10	0	0	120
KB9KEG	40	40	20	0	0	10	110
N6NKO	20	15	30	15	0	20	100
WD9FLJ	28	8	10	0	0	10	56
W9RSX	31	7	0	0	0	0	38

WISCONSIN SECTION  
STATION ACTIVITY SUMMARY  
November 2002

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	415	33	401	849 - BPL
K9GU	0	288	31	288	687 - BPL
W9CBE	0	314	264	27	605 - BPL
W9RCW	0	233	20	224	477 - BPL*
N9VE	0	170	38	155	363 - BPL*
N9TVT	0	63	194	0	257
K9LGU	0	104	39	4	147
AG9G	0	12	63	0	75
KN9P	14	22	23	5	64
W9UW	0	42	19	1	62
K9FHI	0	27	35	0	62
KE9VU	0	21	32	0	53
WA9ZTY	0	2	43	2	47
KG9B	0	5	38	0	43
W9IHW	2	2	32	2	38
W9BHL	0	3	33	1	37
N9NNN	0	1	32	0	33
AA9BB	0	1	32	0	33
KB9ROB	1	25	3	3	32
WB9ICH	0	18	2	0	20
N6NKO	4	2	9	0	15
WD9FLJ	2	2	2	2	8
W9RSX	0	2	4	1	7
W9PVD	0	2	3	0	5
K9UTQ	0	0	2	0	2

31st ANNUAL MIDWINTER  
*Ham Radio, Computer, Electronics*

S W A P F E S T

SATURDAY - JANUARY 4, 2003  
8:00 AM - 2:00 PM

WAUKESHA COUNTY EXPO CENTER FORUM  
WAUKESHA, WISCONSIN

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with 2 photocopies and two IDs (one must be photo ID)  
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# THE WISCONSIN PACKETEER

**Wisconsin Amateur Packet Radio Association**  
**Allen Schnepf, N0GMJ, Treasurer**  
**Ogema, WI 54459**

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**Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com**

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## WAPR News - December, 2002

By Andy Nemec, KB9ALN

Hello and Happy Holidays to everyone. This is the time of year when we reflect on the past year and what it's brought us. And it's a good time to say thanks to all of our friends who've made our packet lives more fun.

First, the reflection. It has been a mixed year in this state and it's neighboring ones. While packet in general has seen it's share of trying times, we've been luckier than most. We've had people step up and get involved in one way or another, mostly in providing network infrastructure. Others have provided other facilities that enhance the network's utility and fun factor.

While there seems to be a general drop-off of packet activity nationwide, there are signs that this may be changing. This year saw the creation of the ARRL's High-Speed Multi-Media (HSMM) Working Group. Chaired by John Champa, K8OCL, it uses the TAPR Spread Spectrum Mailing List to toss around ideas and develop technical standards. You can join in the discussion (or just sandbag) by going to the TAPR Web site (<http://www.tapr.org>) and signing up for the Spread Spectrum list.

There has been some movement toward firming up the technical specifications and standards of late. Mostly these standards are reiterations of the IEEE 802.11b standards.

802.11b (also called "Wi-Fi"), as some may know, is one of the standards for wireless computer linking that is commercially available for any consumer computer product. It uses spread-spectrum technology, is reasonably priced, operates on the 2.4 GHz. band (which has an Amateur allocation) and seemingly ideal for amateur packet radio usage. There are other issues related to amateur radio that

make for some needed modifications of the system, however. That's where the HSMM Working Group comes into play.

One is the addition of the station ID (in beacon form) and the possibility of increased power without Automatic Power Control for units operating at less than 10 watts. Current FCC rules require any Amateur spread-spectrum transmitter operating at a power level of more than 1 watt to utilize APC. There's a movement to petition the FCC to change this, a direct outgrowth of the HSMM Working Group. Higher power is desirable for backbone links, of course, and at 2.4 GHz, this becomes important.

Another is the standardization of antenna polarization. While most of these "off-the-shelf" units utilize vertical polarization, the HSMM Working Group has proposed horizontal polarization. This will help to minimize interference to and from consumer 802.11b operation.

There has been discussion concerning other issues, far too much to relate here in the space we have. I suggest you join the list and read the archives to find out what they have in store for us. But, the bottom line is that the packet picture is looking a little rosier these days. The doomsayers who have predicted the demise of packet radio certainly have to backpedal with the knowledge that we'll be advancing the art of data transmission in the coming year.

In this state, we've seen an increased role for packet in emergency operating, and small (yet sorely needed) growth of the network to accomodate this expanding role. While this alone is great, casual users can benefit during times of non-emergency (most of the time, of course).

This brings us to the thanks part of this column. A hearty Thank-You goes out to all of the people who have generously given of their time, stations and extra effort that they have put into new nodes and other network facilities. I'll take this time

to recognize the efforts of these good folks on behalf of WAPR. Your effort does not go unappreciated.

The same goes for all of the folks who have bothered to keep a node, BBS or other network facility on the air, or perhaps revive one that's been off the air for a while. It's not always an easy thing, and I speak from personal experience. Please take comfort in knowing that we recognize your effort, applaud you for it, and hope you can continue to keep the network going by keeping your part of it "on the air". This goes for the folks who live in adjacent states as well - without our neighbors, we can't get very far.

Let's all hope that the coming year brings us much to be thankful for in 2003, both personally and within our hobby.

That's all for this month. Until next time, 73 from Andy.

## Net/Rom Node Information for the Sysop - Part 16

by Andy Nemec, KB9ALN

In part 15 of our series, we started with some basic concepts of TCP/IP operation. Once we learn all of the basic concepts, we'll show some examples of configuring an X-1J node for TCP/IP operation.

We started with an exploration of the how AX.25 carries TCP/IP, moved on to the IP address, and talked about how the X-1J functions as a router. We'll continue with a discussion of Arp.

### Arp

ARP means "Address Resolution Protocol". What's that? It's a system of relating a particular IP address with a "hardware address".

A "hardware address" can be the call-sign of a particular station, or the

ether address of a network card. In wired networks, an IP address has to be associated with an ethernet address, in our radio networks, it gets associated with (tied to) a call-sign.

Why is this necessary? That's because the radio uses call-signs, and TCP/IP uses IP addresses. This is one way to join them together so that we can connect over radio.

However, this also can get a little more complex because of the structure of a particular network. Here's a real-world example:

Station KB9ALN-5 has an IP address of 44.92.20.32. It talks to other IP stations through a network node with a call-sign of KE9PW-5, and an IP address of 44.92.20.8. These IP addresses are directly associated with each other when they are in direct communication. However, the KE9PW-5 node is a "gateway" to the network and thus, other stations.

When we talk to other TCP/IP stations, we need to know this and associate other IP addresses with this call-sign (even though these IP addresses don't belong to KE9PW-5).

This is the essence of Arp - to associate a given call-sign with a given IP address or addresses as needed. Because this KE9PW-5 node is a "gateway" to these other IP stations, these other IP addresses will have to be associated with KE9PW-5, even though they do not belong to it.

This closely related to "Routing" an IP packet, which we'll talk about next.

### Routing

TCP/IP routing can be either complex or simple, depending on how a network is arranged. Most are fairly simple, thankfully. But you need to know some

*(Continued on page 8)*



## Yellow Thunder Amateur Radio Club

**WB9FDZ (Original Club Call)**  
**K9ODK (Robert L. Prine Memorial Call)**  
**Club net: Sundays 8:00 p.m. on 147.315**  
**Raymond J. Matlosz, N9MLZ, Secretary**  
**450 W. 2nd St., Reedsburg, WI 53959-1500**



The meeting of November 6, 2002 was called to order by President Steve Schulze, N9UDO, at 7:10 p.m. Treasurer's report, read by Bill Klinkner, N9KXX, and October meeting minutes approved by members.

### Old Business:

Communications Trailer Refurbishing of the trailer is underway. A photo session is scheduled for a future date. Bill, N9KXX volunteered Steve, N9UDO, to represent YTARC.

Carriage Event Steve Schulze, N9UDO reports that Don Evenson, K9JYX has declared the old-fashioned carriage event that took place in Baraboo on October 6, 2002 a success. The volunteered time of club members, and use of the club repeater to provide radio coverage along the event route, was greatly appreciated. Club members participating reported they had a good time.

Christmas Party The annual YTARC Christmas party is scheduled for Saturday, December 14, 2002 at the Hiway House. The event starts at 6:00 p.m. with a cocktail/social hour, followed by dinner at 7:00 p.m. The reservation has been confirmed, and the menu has been decided on by the club members. The menu will include: roast beef, roast pork, au gratin potatoes, corn and beans. To date, 20+ club members and family will be attending. There is still time to let Pete Sweeney, WD9JIB, know if you wish to attend.

Steve, N9UDO gave an account of his adventures on 6 meter. A group discussion of the communication mode followed.

### New Business

Ham Classes The Civil Air Patrol and YTARC are co-sponsoring a free no-code amateur radio course. The schedule for these classes are:

- \* November 9, 2002: Prairie Du Sac Fire Station 9:00 a.m. - 3:00 p.m.
- \* November 12, 2002: National Guard Armory, Baraboo, WI 6:30 p.m. - 8:30 p.m.

\*November 16, 2002: Prairie Du Sac Fire Station 9:00 a.m. - 2:00 p.m. with the test given at 2:00 p.m. on November 16. ARRL fee for test is \$10.00.

Columbia County ARES/RACES Chuck Humboldt, KC9BWS has a meeting planned for 7:00 p.m., Thursday, November 7, 2002 at the Columbia Co. Sheriff's department to promote interest in ARES/RACES. A gathering of interested parties, including the state training officer, Columbia Co. law enforcement and emergency government are planning on being in attendance. He is hoping for good support between all parties. Several of our club members are also active in ARES/RACES and are planning on attending. A video on ARES/RACES is to be shown.

Club Meeting Dates and Location Last year it was decided to hold the monthly YTARC meetings at the same location that the ARES/RACES organization held their meetings, with the YTARC meeting at 7:00 p.m. and the ARES/RACES meeting following at 8:00 p.m. The day of the meeting was also decided to be on a rotating basis; the first Tuesday, Wednesday or Thursday of the month. Club members are asked to think about how this has been working out. At the time this new format was decided upon, the club was to review the efficacy of the change in 6 months time. Steve, N9UDO reminded the club members that the two groups - YTARC and ARES/RACES - are two separate entities. Participation in one does not mean you are obligated to participate in the other, though all are welcome at either, it is your choice.

THE NEXT MEETING WILL BE THE CLUB CHRISTMAS PARTY, SATURDAY, DECEMBER 14, 2002.

THE NEXT REGULAR MEETING WILL BE TUESDAY, JANUARY 7, 2003 AT THE EOC MEETING ROOM @ 7:00PM

The meeting was adjourned at 7:50 p.m.

Respectfully submitted, Lynn Loomis, KB9YOD YTARC Secretary

The following members and friends were present:

Lynn Loomis	KB9YOD	Reedsburg
John Maybee	KB9PZL	Adams
Rosie Maybee	KB9PZK	Adams
Tabitha Maybee	KB9PZJ	Adams
Joe Mayenshein	WB9SBD	La Valle
Thomas Harrison	N9PQJ	Reedsburg
Dave Spearing	KB9CSW	Portage
Raymond J. Matlosz	N9MLE	Reedsburg
Barbara Maybee	KB9VYY	Adams

Logan Maybee	KB9VYZ	Adams
Robert Loomis	KB9VSQ	Reedsburg
Joseph Williams	KJ9W	Bear Valley
Chuck Humboldt	KC9BWS	Lodi
Jason Humboldt	KC9BWT	Lodi
Wayne Burgess	N9UDX	Lodi
Maurey Gurgel	KA9TBU	Reedsburg
Leonard Wagner	N9XJG	Baraboo
Steve Schulze	N9UDO	Baraboo
Bill Klinkner	N9KXX	Sauk City
Pete Sweeney	WD9JIB	Reedsburg

(Continued from page 3)

## THE TEST POINT

QCWA Chapter 55, QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. [mailto:ryokes@execpc.com](mailto:mailto:ryokes@execpc.com).

Racine, LAKESHORE REPEATER ASSOCIATION Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

Racine, RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

Rhineland, NORTHWOODS AMATEUR RADIO CLUB Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.

Sheboygan, SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake, NORTHLAND AMATEUR RADIO CLUB Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>.

Stevens Point, CWRA Ltd./UWSP ARC Meetings second Wednesday. of each month at 7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: [jglas776@uwsp.edu](mailto:jglas776@uwsp.edu). Webpage: [www.qsl.net/wb9qfw](http://www.qsl.net/wb9qfw).

Superior, ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R.WISCONSIN ASSOCIATION OF REPEATERS Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

Watertown, WATERTOWN AMATEUR RADIO CLUB Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca, WAUPACA AMATEUR RADIO CLUB CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.


Wausau, WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis, West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. [www.warac.org](http://www.warac.org).

West Bend, WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Check us out on the web at  
[Http://www.bssts.org](http://www.bssts.org)

SWAPFESTS

<div><p>2001 WINNERS Andrew A. Knitt, KB9JOZ Rhinelander, WI Andrew J. Wagner, KB9TAC Menomonie, WI</p></div> <div><p>32nd ANNUAL MIDWINTER <b>SWAPFEST</b> WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN <b>SATURDAY</b> <b>JANUARY 4, 2003</b></p><p><i>Both sponsored by:</i> <b>THE WEST ALLIS RADIO AMATEUR CLUB, INC.</b> <b>P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</b></p></div>	<p><i>HAM IT UP EVERY SPRING!</i> <b>MADISON SWAPFEST</b> Mandt Community Center <i>APRIL 13, 2003</i> 400 Mandt Parkway Stoughton WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P. O. Box 8890 Madison, WI 53708-8890 swapfest Information Line. (608) 245-8890</p>	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>SWAPFEST 03</b> <b>JULY 12, 2003</b> (Held every July) <b>American Legion Park</b> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail ryatex@aol.com</p>		
<p><b>SEWFARS SWAPFEST</b> HAM RADIOS • COMPUTERS • ELECTRONICS AMATEUR LICENSE EXAMS</p> <p>Setup starts at 6:00 A.M. For more information, call (414) 835-7035</p>	<p>The Chicago FM Club presents <b>RADIO EXPO 2002</b> September 27-28, 2003 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Free parking • Amateur Exams • Talkin 146.16/76 Info Voice mail and FAX: (708) 457-0966 <a href="http://www.chicagofmclub.org">http://www.chicagofmclub.org</a> P.O. Box 56784, Harwood Heights, IL 60656-0724</p>	<p><b>TRI-COUNTY ARC PRESENTS</b> <b>HAMFEST 2003</b> <b>March 16, 2003</b> <b>YOUR SPRING FAVORITE !</b> Tricountyarc@globaldialog.com TCARC 213 Frederick St (920) 563-6381 Fort Atkinson, WI 53538 Evenings</p>		
<div><p>NSORC <i>Fest</i> formerly known as LAMARfest Lake County Fairgrounds, Grayslake, Illinois Radio, Electronic, Computer Swapfest <a href="http://www.nso9rc.org">www.nso9rc.org</a></p></div>	<p><b>Eau Claire Amateur Radio Club</b> <b>HAMFEST 2003</b> <b>Saturday, April 19</b></p> <p>For Information Contact: Steve Bluem at (715)839-6509 ka9omy@arrl.net ECARC P.O. Box 1867, Eau Claire. WI 54702-1867</p>	<p>The Milwaukee Repeater Club presents <b>AMATEUR RADIO FEST 2003</b> <b>November , 2003</b></p> <p>Waukesha County Expo Center Forum Buildings For more information, see: <a href="http://www.execpc.com/mrc">http://www.execpc.com/mrc</a> e-mail mrc@mrc91.org or call 1.608.367.3953</p>		
<p><b>Ozaukee Radio Club</b> <b>23rd ANNUAL RADIO AND</b> <b>COMPUTER SWAPFEST</b> <b>May 5, 2003</b> 8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W, Willow Rd., Brown Deer, WI 53222 Swapfest sponsored by the Ozaukee Radio Club W55 N865 Cedar Ridge Drive • Cedarburg WI 53012</p>	<p><b>Circus City Swapfest</b> Sponsored by the Yellow Thunder Amateur Radio Club <b>Saturday, August 9, 2003 • 7 am—Noon</b> <b>Sauk County Fairgrounds • Baraboo, WI</b></p> <table border="1"><tr><td>Vendors • Concessions Camping • Free Parking Tail Gate Area</td><td>\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables</td></tr></table> <p>Steve Schulze, N9UDO • Bill Klinkner, N9KXX (606) 356-2313 • (608) 643-6908/643-6453 <a href="http://www.qsl.net/ytarc/hamfest.htm">http://www.qsl.net/ytarc/hamfest.htm</a>,</p>	Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>AUCTION</b> Amateur Radio, Computers &amp; Electronics <b>Wed. March 12, 2003, 6:00 p.m.</b> <b>American Legion Post 434</b> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail: ryatex@aol.com</p>
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